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12 December 1957

TO: Assistant Director, Research and Reports

THROUGH: Chief, Economic Research, ORR

THROUGH: Chief, Industrial Division, ORR

SUBJECT: Enlargement of ORR Effort on the Soviet Guided Missile Program.

## 1. PROBLEM:

To determine what ORR must do to discharge its responsibilities regarding economic intelligence on Soviet guided missile production and deployment.

## 2. FACTS BEARING ON THE PROBLEM:

- a. The development of accurate economic intelligence on Soviet programs and capabilities for producing and deploying guided missiles is a matter of highest national urgency.
- b. During the past year and a half the Board of National Estimates and the GMIC have come to rely on the ORR Guided Missiles Branch for economic intelligence assessments on the Soviet guided missile program. Even the Services are referring their internal questions on this subject to ORR.

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**3. DISCUSSION:**

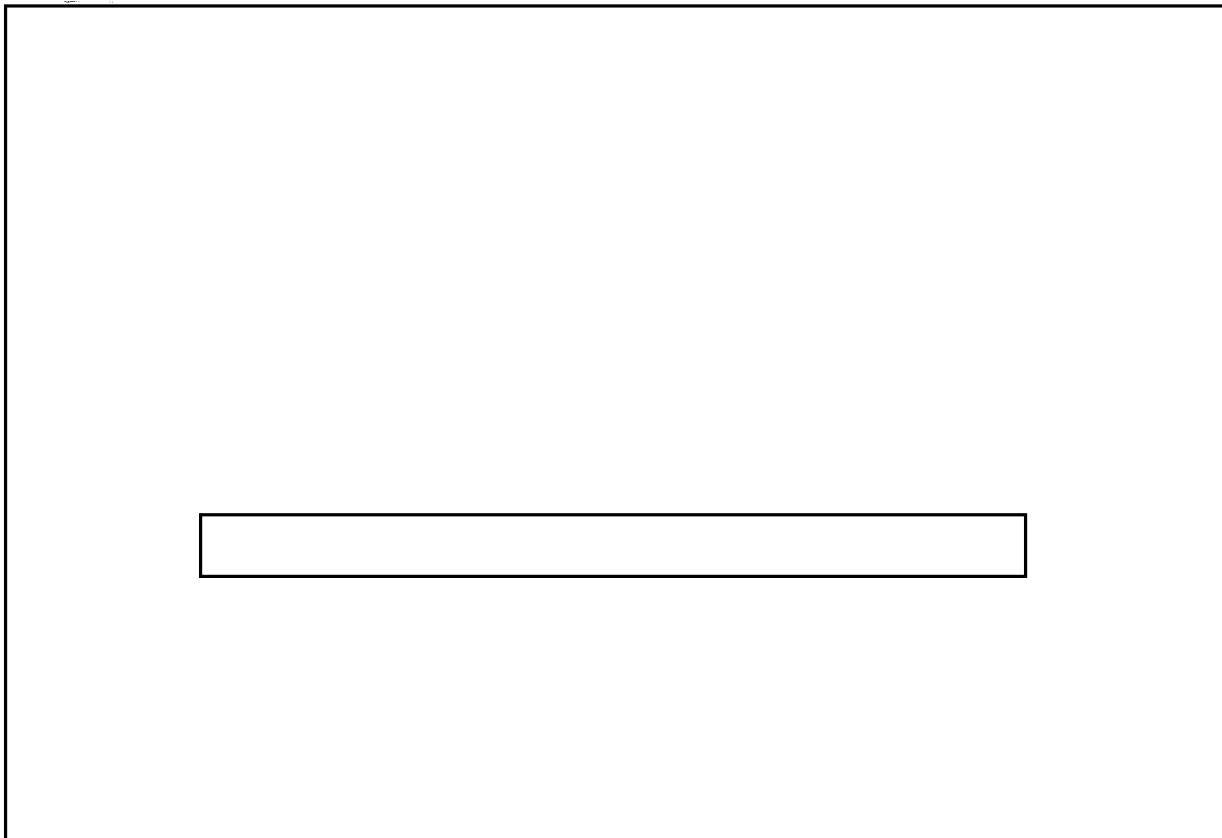
**a. Background:**

- (1) As highlighted by its recent ICBM announcements and earth satellite launchings, the USSR is making very rapid progress in the development of guided missile systems of all types. Every indication points to a Soviet intent to force the continued development of these, and still more advanced systems, at maximum speed. Faced with Soviet progress and its implications on national security, US policymakers must have the most accurate economic intelligence possible on Soviet programs and capabilities for the production and deployment of guided missile systems.
- (2) As a result of six years of intensive analysis and collection effort, and large expenditures of resources of all types, a considerable body of knowledge on Soviet development and testing programs in the guided missile field has been acquired. The collection and research effort directed at producing economic intelligence on the Soviet missile program, is more recent, and considerably smaller, than in the scientific and technical field. The status of economic intelligence on the Soviet missile program, therefore, is correspondingly less definitive.

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- (3) At the present time ORR possesses the only active capability for broad economic research directed at the Soviet guided missile

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- (4) ORR, as a component of CIA and as a participant in GMIC\*, has a responsibility for coordination of economic intelligence in this field.

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\* The charter of GMIC excludes consideration of deployment of missile systems which is a major element in attempting to measure the economic impact of the Soviet missile program on the economy of the USSR. Missiles alone represent only 10 to 20 percent of the cost of most missile systems.

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Because the military services have not developed capabilities for broad economic intelligence support to National Intelligence Estimates and other needs, coordination in the past has been largely a matter of obtaining simple concurrence from other agencies or departments on ORR contributions. The military services (principally ATIC), however, do touch on factors of importance to economic intelligence in their analyses of the research and development aspects of the Soviet guided missile program. It is essential that effective coordination be established between these intelligence components and ORR in order to insure that maximum exploitation is achieved. Internal CIA coordination, primarily with OSI, is effected through the DD/I Guided Missile Coordinator and a workable delineation of responsibilities has been established between OSI and ORR along the lines of the primary missions of the two Offices.

**b. Mission and Organization**

- (1) The primary mission of the Guided Missiles Branch of ORR includes the production of economic intelligence on the guided missile programs of the Sino-Soviet Bloc countries for National Intelligence Estimates, National Intelligence Surveys, current intelligence publications, and the wide variety of responsibilities of the Guided Missile Intelligence Committee.

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The accomplishment of this mission requires the production of two broad types of intelligence: intelligence on particular missile systems and intelligence on the overall missile programs of each of the Sino-Soviet Bloc countries. It is proposed that the Guided Missiles Branch be organized to correspond with these two types of intelligence production missions.

- (2) The production of intelligence on particular missile systems is to be divided between two sections: one on the surface-to-surface ballistic missile systems and the other on the defensive, air-to-surface, and cruise type surface-to-surface missiles.

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full scope of research needed to exploit the economic intelligence potential of information at hand, effect related coordination with other intelligence components, or to provide the guidance urgently required for effective collection in this field. ORR Guided Missiles Branch must be augmented considerably in order to accomplish even minimum objectives, and meet the responsibilities now being placed on ORR. The tasks to be done, the sources and types of information to be used, and the combination of all of these into an integrated research effort, have been assessed with great care in order to arrive at a proposed table of organization for an augmented Branch. The

- (2) Detailed working assignments on the economic research problems are being prepared for each analyst proposed. These work outlines are intended to provide new analysts with immediate statements of tasks and objectives and an indication of the methods to be followed. This will facilitate considerably the assimilation of new personnel and make maximum use of trained personnel.

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reallocated its resources so as to give the maximum emphasis to its primary responsibilities. There are, however, many operations which the ERA cannot cut from its economic research effort. These include such fields as atomic energy, chemicals, power, construction, military economics, etc. To implement the expansion of research required on guided missiles without unduly damaging research in other critical fields, the ERA must have additional professional personnel.

- (4) In addition to the increase in professional personnel in the Guided Missiles Branch, the personnel strength of other ERA branches must be augmented.

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**4. CONCLUSIONS:**

- a. The state of economic intelligence on the Soviet guided missile program is almost wholly inadequate for national security policy formulation.
- b. At the present time ORR possesses the only active capability for broad economic intelligence research directed at this problem.
- c. The current personnel strength assigned to this problem in ORR is inadequate to provide even the minimum analysis of all available data and must be increased substantially to provide the intelligence demanded by the importance of the problem.
- d. Additional personnel must be skilled, experienced intelligence analysts and must be phased into the Guided Missile Branch on a schedule consistent with the Branch's capability to assimilate them effectively.

**5. RECOMMENDATIONS:**

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**ANNEXES:**

- A. Table of Organisation of Proposed Guided Missiles Branch
- B. Manpower Utilisation
- C. Types of Available Information Which Can Contribute to  
Analysis of the Soviet Guided Missiles Program

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